

# Dinakar Jayarajan

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## OBJECTIVE

Experienced researcher seeking a doctoral student position, eventually leading to an outstanding career in academics and research

## SUMMARY

- M S (Computer Science) (Ongoing)
- B Tech. (Computer Science)
- Experience in Research, Software Development, Teaching and Entrepreneurship

## PROFESSIONAL EXPERIENCE

### Scientist 'C'

Center for AI & Robotics, DRDO Bangalore, INDIA 2002-present

- Pioneered R & D activities in Natural Language Processing (NLP) for the Artificial Intelligence & Neural Networks group of CAIR
- Established state of the art technology for Information Extraction, Summarisation, Information Retrieval, Semantic Web and Machine Learning
- Designed and implemented a library of algorithms and data structures for NLP
- Advocated software design and development best practices in the group
- Handled managerial duties in the capacity of Second-in-Charge (2IC) of the group

### Programmer

Computer Center, University of Kerala Trivandrum, INDIA 2001-2002

- Involved in the development of the System for Automated Governance of Examinations (SAGE), an MIS package for the office of the Controller of Examinations (CoE)
- Studied manual work pattern and designed improved IT enabled work pattern
- Designed a 3-Tier systems architecture for SAGE
- Designed, developed, tested and fielded middle-ware and front-end software for SAGE
- Trained CoE staff on the use of computers and SAGE
- Effected a drastic improvement in the efficiency of CoE operations through deployment of SAGE

### Part-time Faculty

TIME Quilon, INDIA 2001-2002

- Coached students for various postgraduate level competitive exams
- Helped the institute achieve a success rate of 95%

## Founding Partner

SilverNet Quilon, INDIA 1999-2002

- Founded a successful Internet Kiosk business
- Established processes for efficient operations
- Managed the network and computing infrastructure
- Interviewed, recruited and trained staff for manning the kiosk
- Designed and conducted personalised training programs for novice customers
- Studied and evolved competitive strategies for gaining market share in a 'last mover' scenario.

## EDUCATION

### Master of Science (Ongoing)

Department of Computer Science & Engineering  
Indian Institute of Technology Madras (IITM), Chennai, INDIA  
CGPA - 8.5 / 10.0

### Bachelor of Technology 2001

Department of Computer Science & Engineering  
TKM College of Engineering, Quilon, INDIA  
Aggregate marks - 74%

### Pre Degree Course 1997

FMN College, Quilon, INDIA  
Aggregate Marks - 71%

### Anglo Indian School Leaving Certificate 1995

Montfort AI Boys Higher Secondary School, Yercaud, INDIA  
Aggregate - 80%

## PUBLICATIONS

### Lexical Chains as Document Features

Jayarajan, D., Deodhare, D., and Ravindran, B. *to appear at the International Joint Conference on Natural Language Processing (IJCNLP) 2008, Hyderabad, India.*

### Document Clustering using Lexical Chains

Jayarajan, D., Deodhare, D., Ravindran, B., and Sarkar, S. *at the Workshop on Text-Mining & Link-Analysis (TextLink) 2007, Hyderabad, India.*

### Extensible CLIPS - A Case Study in Designing Extensible AI Tools

Jayarajan, D., Deodhare, D., Praveen S., Chintesh P. P. , Sachin N., and Suresha M. *at the 29th IEEE Annual Convention and Exhibition (IEEE ACE), 2003, Pune, India*

### Semantic Web and its application to processing of Information from Natural Languages

Jayarajan, D., Deodhare, D. *at the National Conference on Document Analysis and Recognition (NCDAR), 2003, Mandya, India*

## AFFILIATIONS

### Professional Member

Association for Computing Machinery (ACM)

## VOLUNTEER WORK

### Joint Secretary

TKMCE Alumni, Bangalore Chapter

### Executive Committee Member

Kerala Engineers Association Bangalore (KEABLR)

### Souvenir Editor & Committee Member

DRDO Township Onam Celebrations, 2007

## REFERENCES

Furnished Upon Request